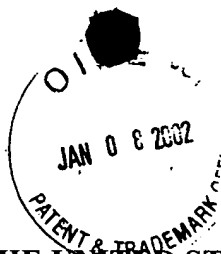


S/N 09/400,365



#13/C-15-02
PATENT *Shull*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Examiner: Unknown
Serial No.: 09/400,365	Group Art Unit: Unknown
Filed: September 20, 1999	Docket: 1566.002US1
Title: CIRCULATION MODEL AND APPLICATIONS	

AMENDMENT & RESPONSE UNDER 37 C.F.R. § 1.116

Box RCE
Commissioner for Patents
Washington, D.C. 20231

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In response to the final Office Action mailed April 25, 2001, please amend the application as follows:

This response is accompanied by a Petition, as well as the appropriate fee, to obtain a three-month extension of the period for responding to the Office action, thereby moving the deadline for response from July 25, 2001 to October 25, 2001.

IN THE CLAIMS

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims for the previously pending claim set.¹ The substitute claim set is intended to reflect cancellation of claims 29-50, amendment of previously pending claims 1-29, and addition of new claims 51-54.

The specific amendments to individual claims are detailed in the following marked up set of claims. The specific amendments to individual claims are detailed in the following marked up set of claims.

1. (amended) A method of modeling circulation in a living subject, such method comprising the steps of:

[developing a pressure and flow model] simulating the fluid dynamics of an arterial circulatory system [for living subjects in general];

correcting the [model of the circulatory system] simulation to substantially conform to a specific arterial anatomy [and physiology] of the living subject;

forcing the simulation with one or more flow parameters corresponding to a flow measurement obtained from the living subject; and,